

COMMUNICABLE

DISEASES

contagious/infectious

↳ pathogen enters body & if body cannot fight it, it reproduces & damages cells

incubation period - time from exposure → symptoms

PANDEMIC

- global outbreak of an infectious disease

EPIDEMIC

- disease spreads to people within a community/region/country

TYPES OF PATHOGENS

- virus (common cold, herpes, hepatitis, HIV, HPV, covid-19, chicken pox)
- bacteria (strep throat, tuberculosis, bacterial pneumonia, chlamydia, gonorrhoea)
- fungi (athlete's foot, ringworm, yeast infection, thrush)
- parasite (pubic lice, scabies - mites, bed bugs)

TRANSMISSION

1. direct contact with an infected person (touching, kissing, sexual contact)
2. indirect contact - with contaminated object/surface/organism/water & food
3. airborne transmission - tiny droplets through a sneeze/cough
↳ chicken pox, covid, tuberculosis, flu

STDs

bacterial - syphilis, gonorrhoea, chlamydia

viral - HPV, HIV, herpes, hepatitis

parasites - pubic lice (crabs)

COVID-19

- CO - corona
- VI - virus
- D - disease
- 19 - 2019

- outbreak → epidemic → pandemic

sudden increase in cases

goes global

- spreads primarily through droplets when an infected person coughs, sneezes, or speaks
- ↳ also through touching a contaminated surface

Symptoms

- vary from mild → severe
- ↳ variant & vaccination status
- incubation period 2-14 days
- fever
- cough - sore throat
- shortness of breath
- muscle aches
- loss of taste/smell
- congestion - runny nose

Statistics

- 2020 → covid 19 was the leading cause of death in U.S.
- over 1,130,000 total deaths reported

PREVENTION

- vaccination: stimulates an immune response to a pathogen
- cover nose & mouth with a mask
- cover nose & mouth with tissue/elbow when coughing/sneezing
- wash hands with soap / hand sanitizer >60% alc
- clean/disinfect surfaces

STD

STATISTICS

- ages 15-24 account for half of all new cases of STDs annually

↳ 2019

bacterial (curable with timely diagnosis)

Chlamydia

1,808,703 cases

Gonorrhea

616,392 cases

Syphilis

129,813 cases (70% increase)

viral (not curable - treatable)

Herpes

estimated 40-50 mil people
parasites
↓

HPV

human papillomavirus
most common STD
↳ 79 million

HIV/AIDS

1,189,700 Americans
87% know
2019 - 13,000 deaths

Pubic Lice

aka crabs